AMENDMENT TO THE SPECIFICATION

Please replace original paragraph [0050] on page 16 in the specification with the following amended text:

[0050] If there is a relationship between the two nodes, the SPF for that link is affected by the change in network topology. At block 511, R1 then inspects the branch of the SPT having the node representing the remotest node of the new link. In this specific example, the remotest node of the new link Net 8 is R6. At block 512 the router R1 determines the number of nodes traversed to reach the link (Net 8) that is newly advertised. This computation occurs during SPF computation at the time when the node remote from the link is newly discovered. At block 513, the ~~The~~ router R1 moves up the branch of the SPT from the node R6 node by node following the parent of each node until the root of the tree is reached.